

FIG. 1

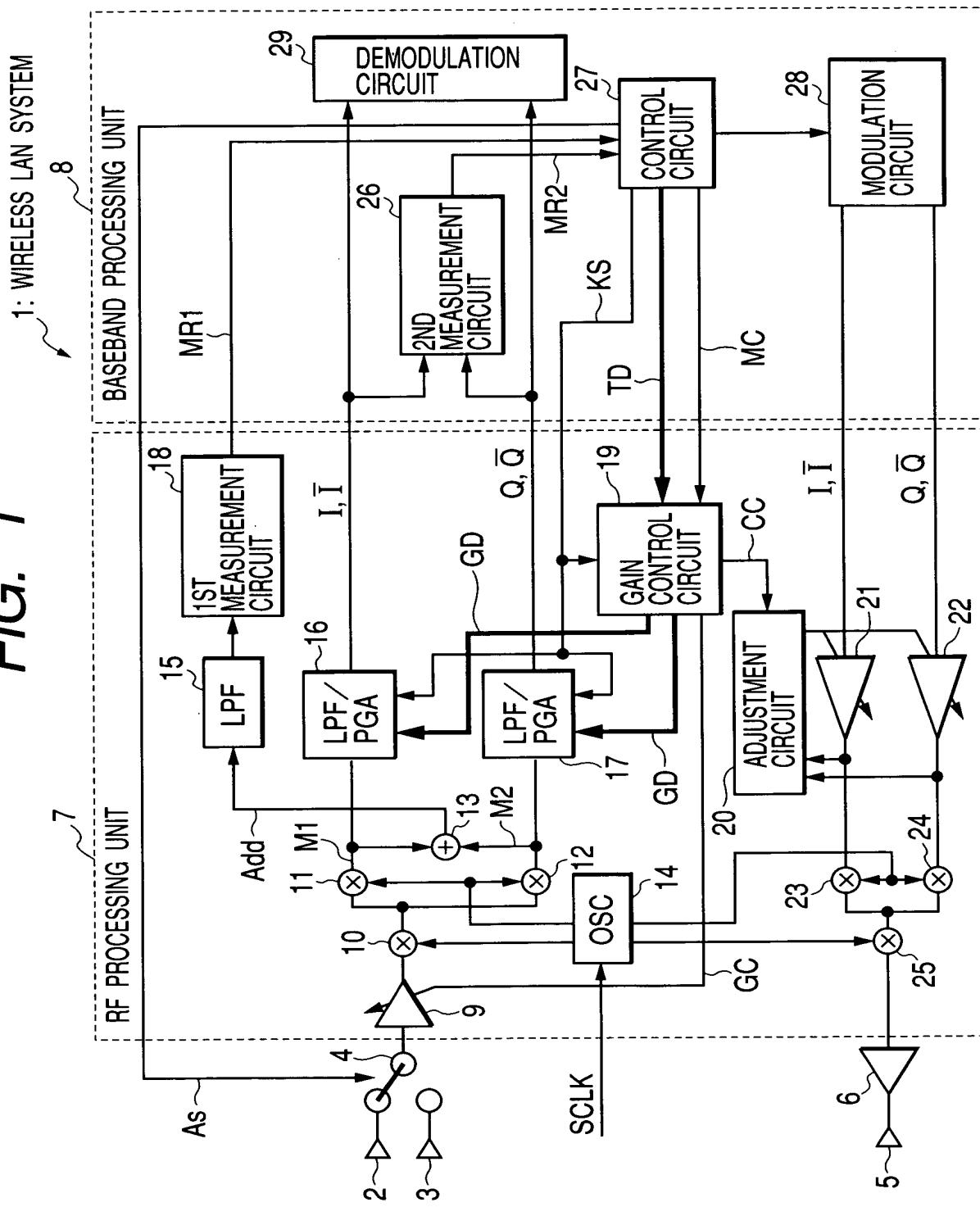


FIG. 2

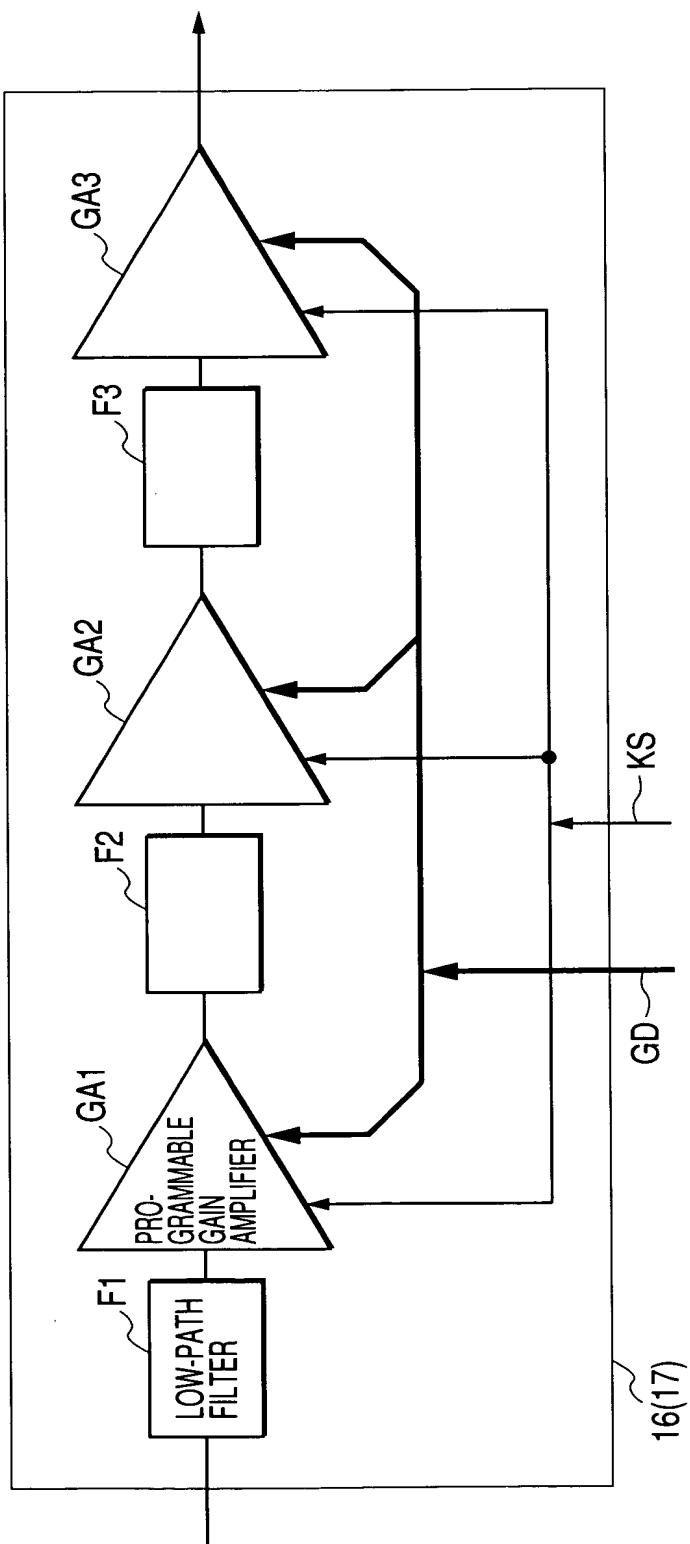


FIG. 3

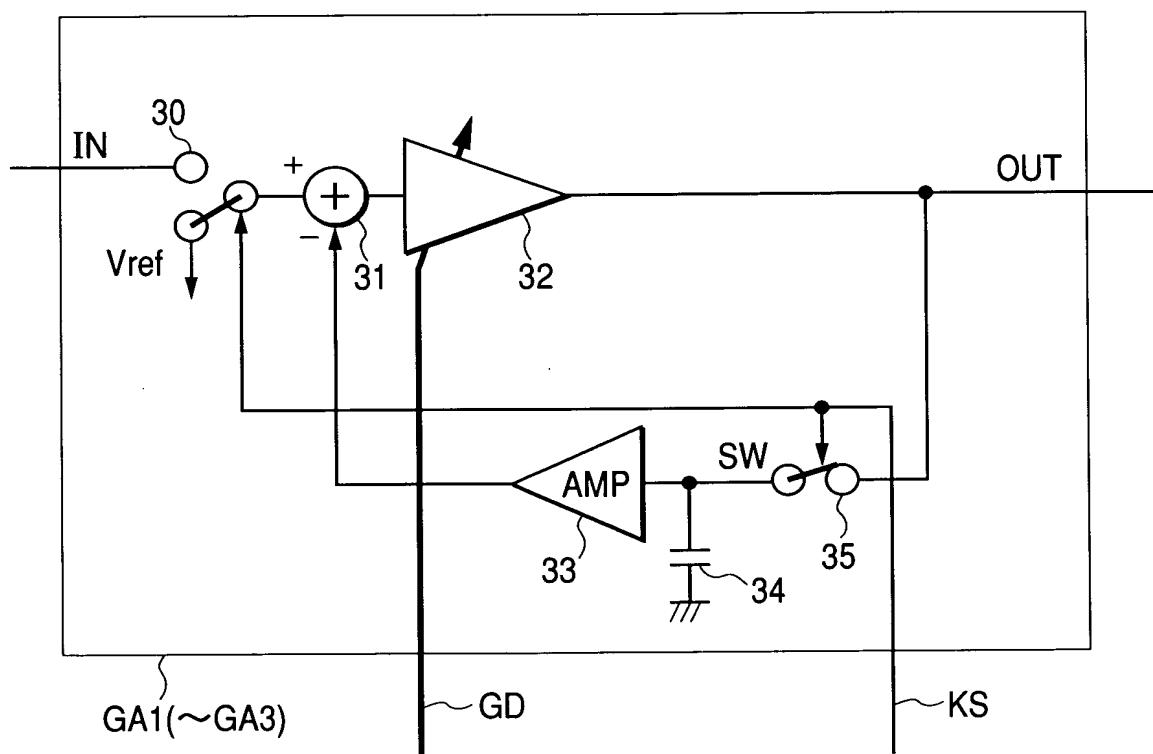


FIG. 4

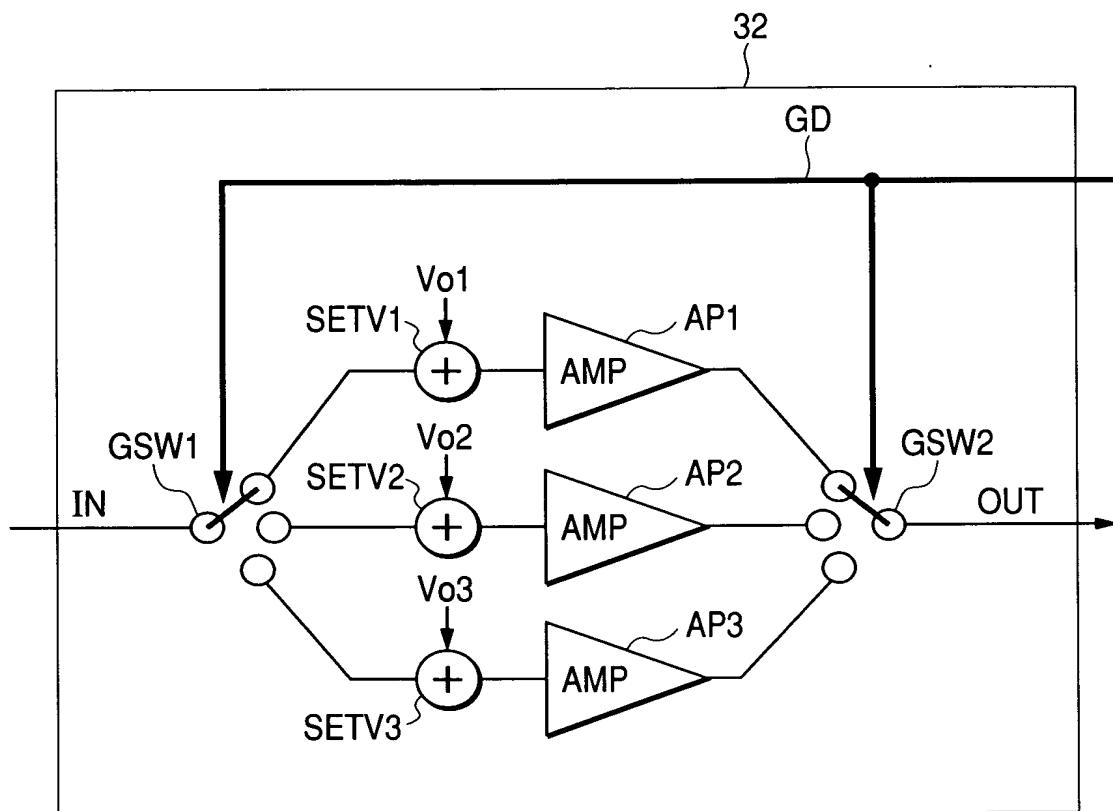
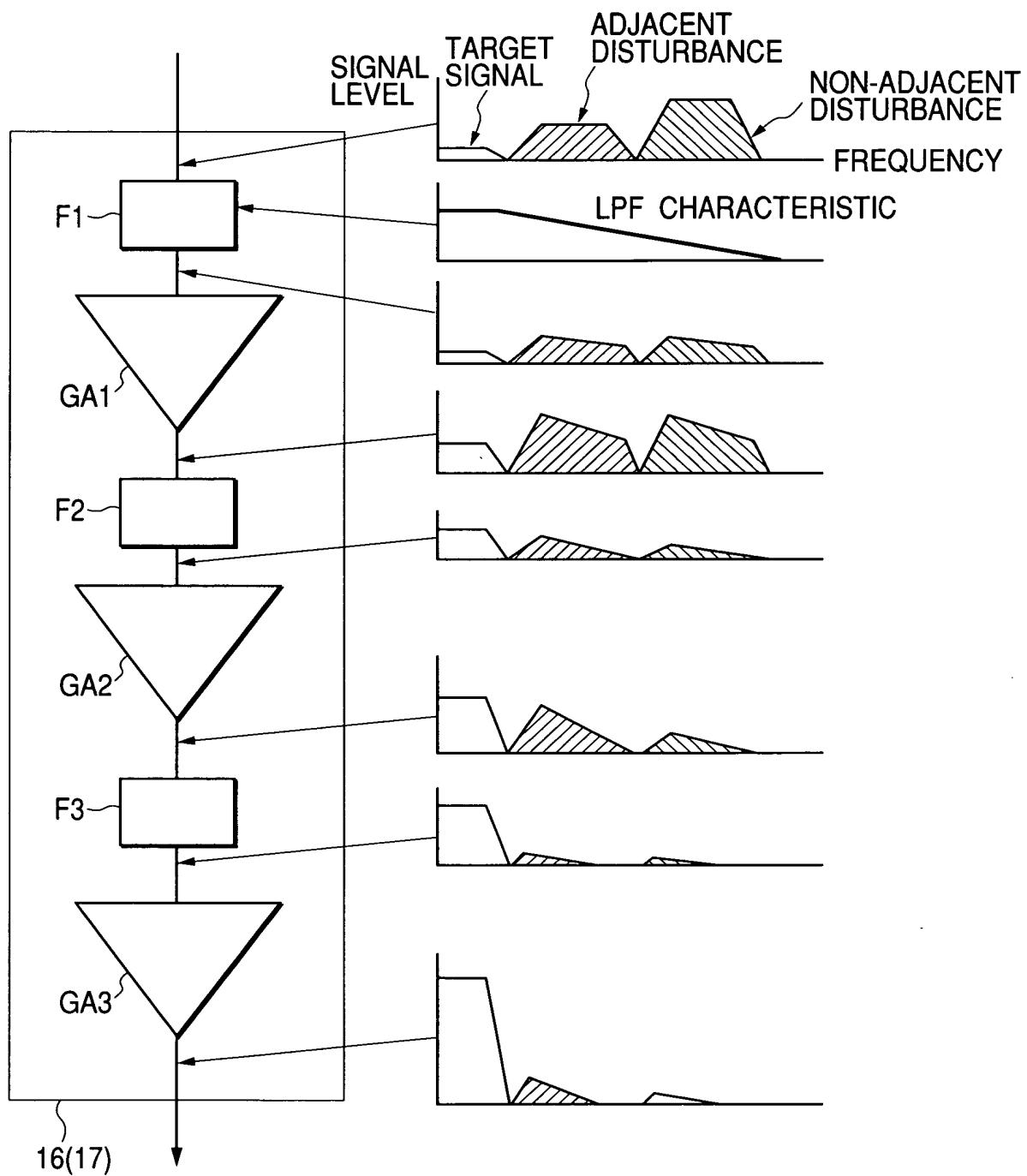


FIG. 5



*FIG. 6*

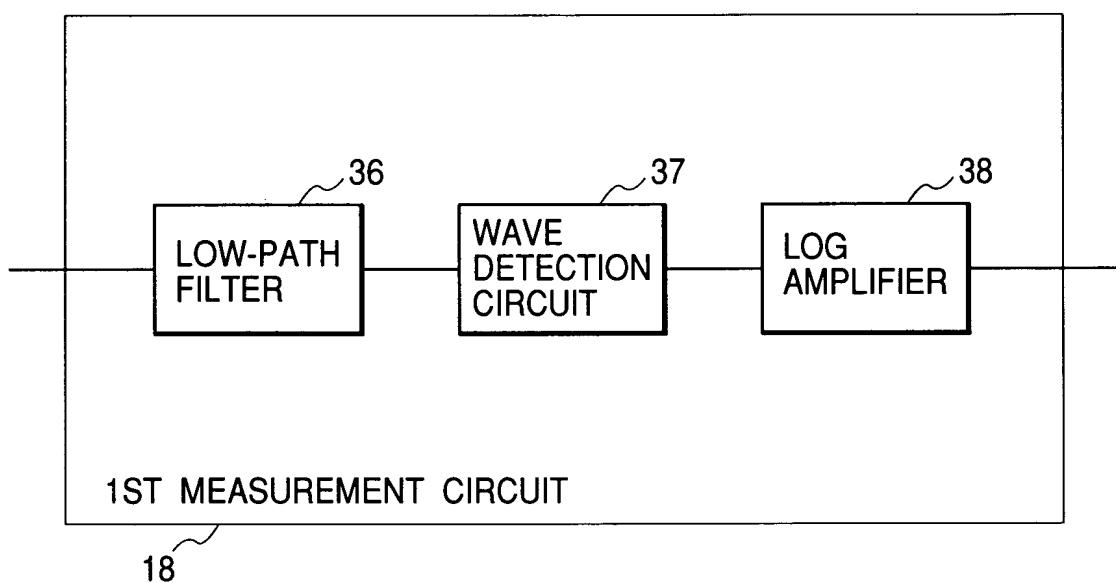


FIG. 7

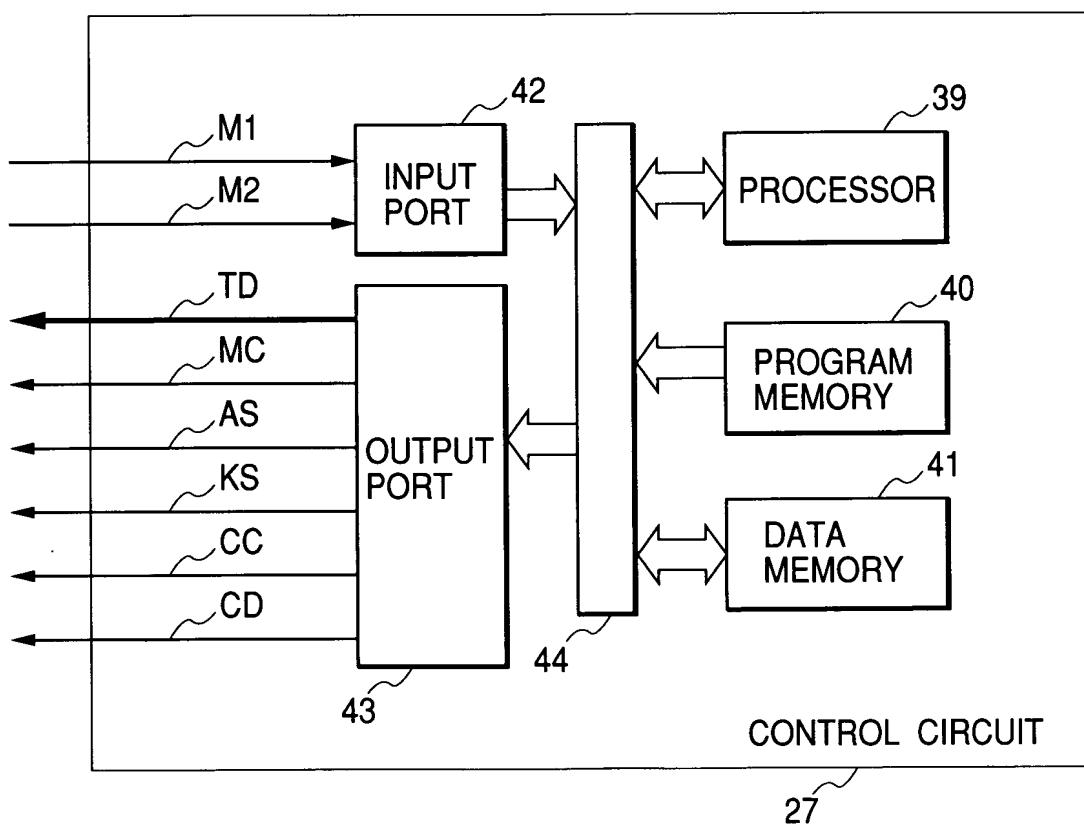


FIG. 8

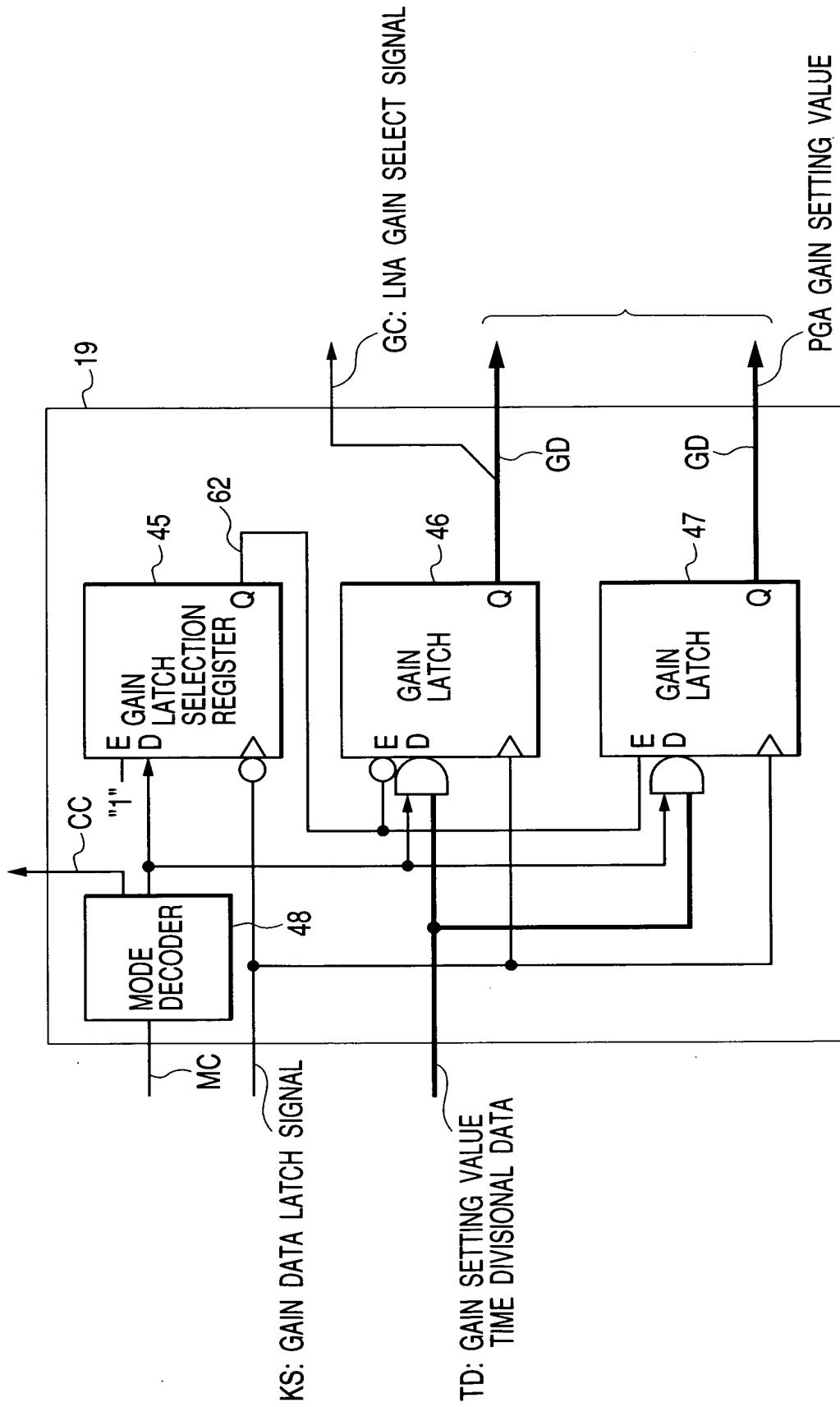


FIG. 9

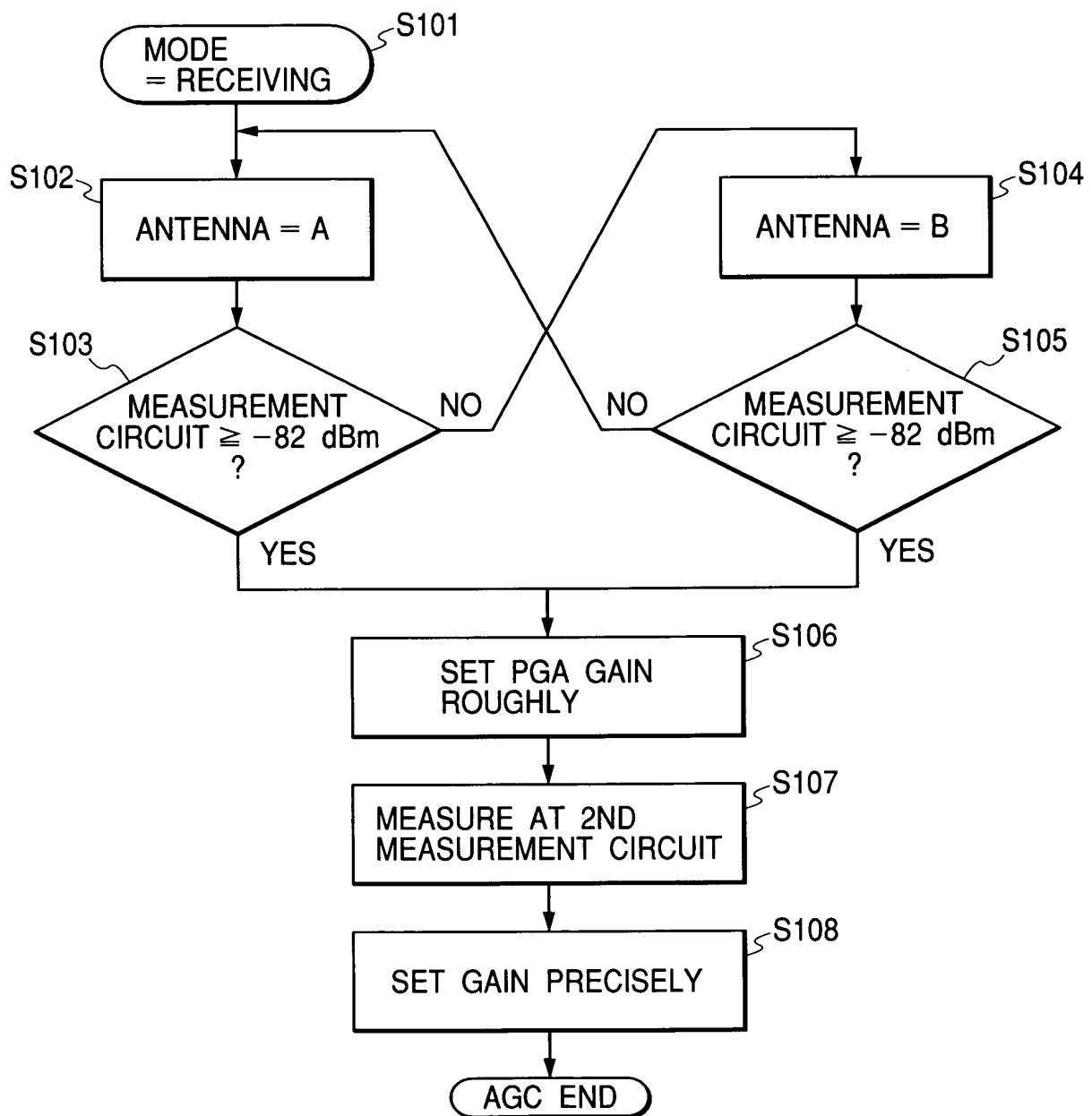


FIG. 10

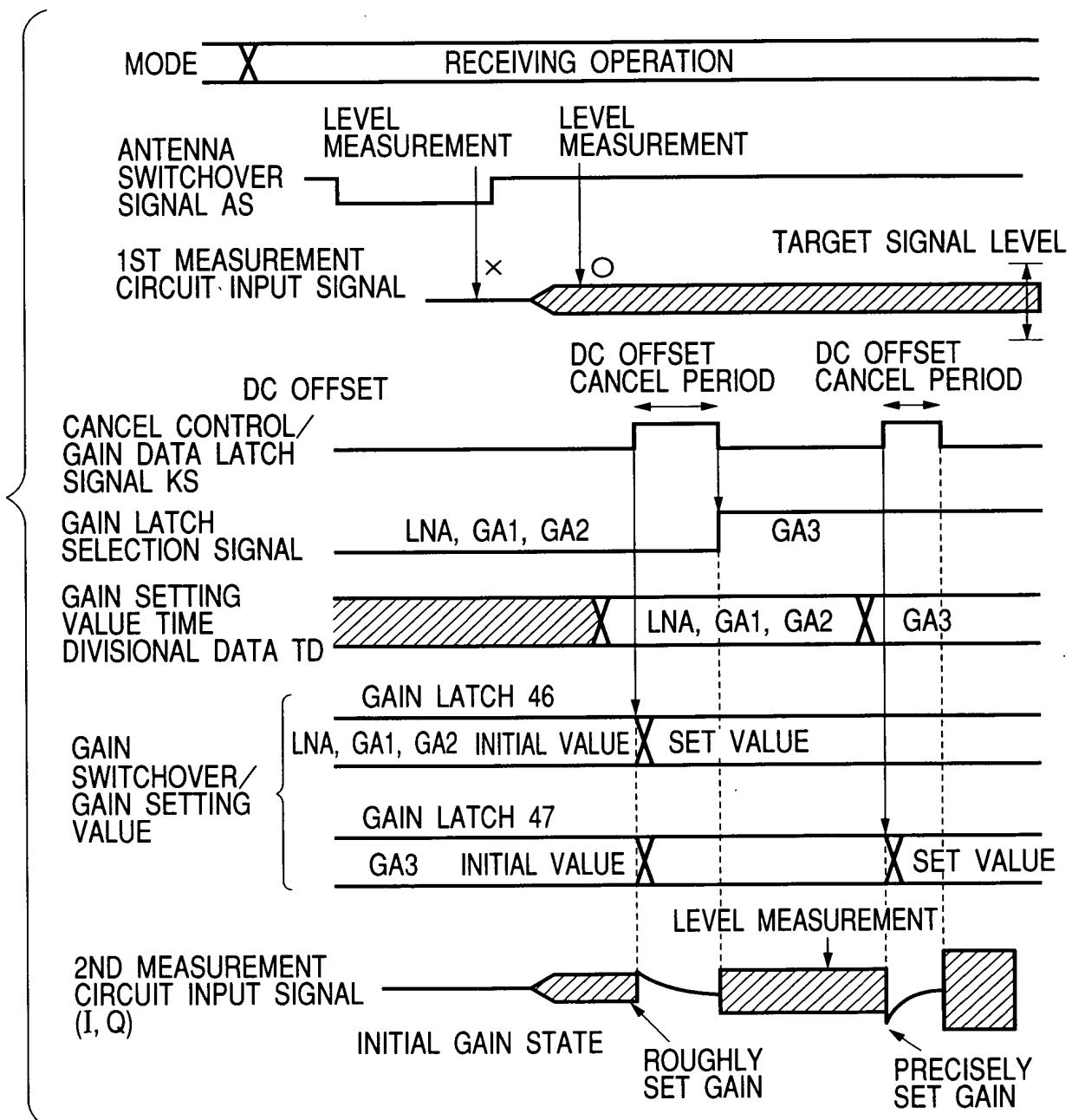
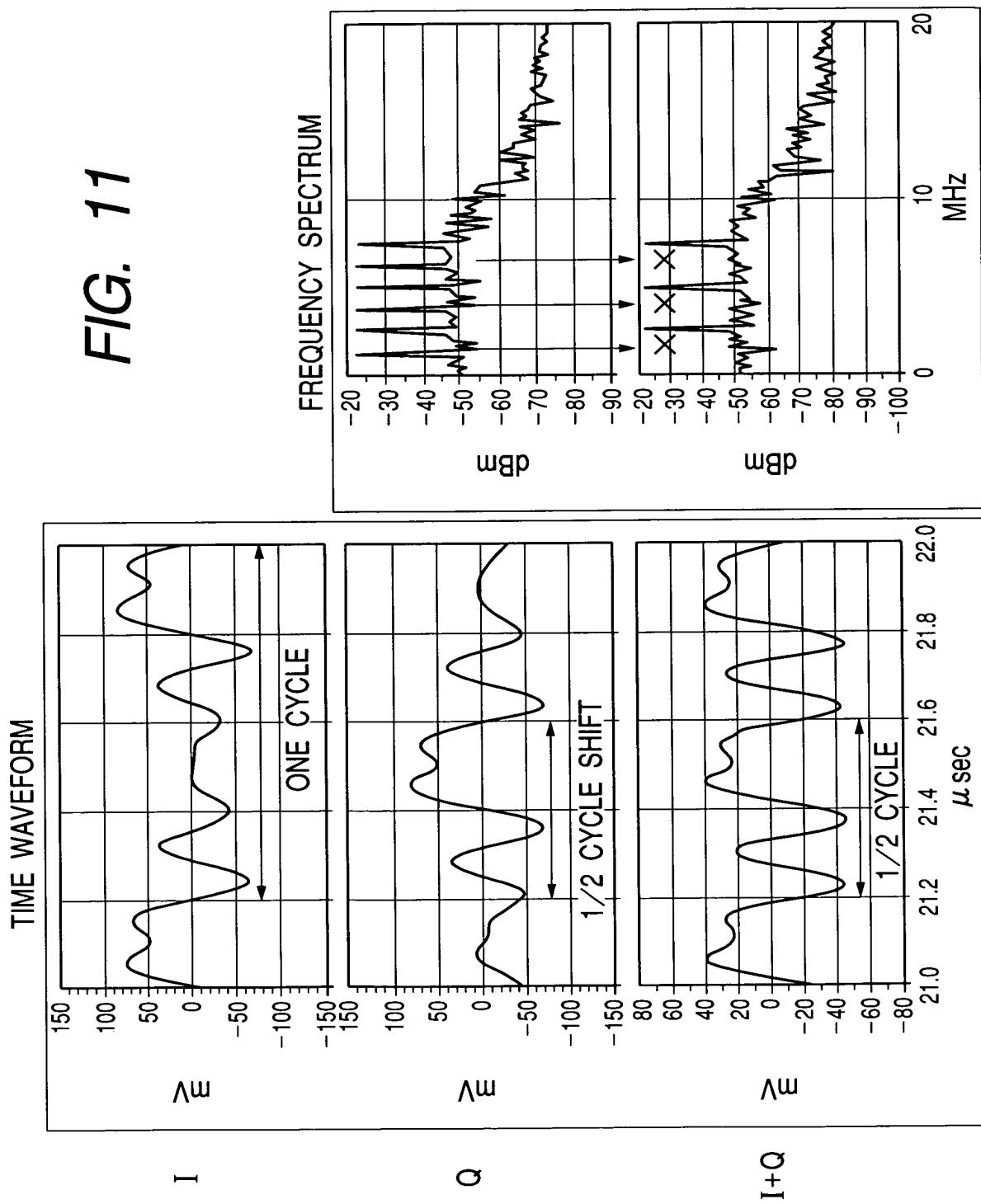


FIG. 11



# FIG. 12

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TERMINAL NAME	ATTRIBUTE	FUNCTION	REMARK	CORRESPONDENCE TO SYMBOLS IN FIG. 1
RECEIVED SIGNAL	RSSIOUT	OUT/Analog RSSI OUTPUT		MEASURED SIGNAL MRI
	RXBBOUTIX	OUT/Analog RECEIVED BASEBAND I SIGNAL (Positive)		I SIGNAL
	RXBBOUTYY	OUT/Analog RECEIVED BASEBAND I SIGNAL (Negative)		
	RXBBOUTQX	OUT/Analog RECEIVED BASEBAND Q SIGNAL (Positive)		
	RXBBOUTQY	OUT/Analog RECEIVED BASEBAND Q SIGNAL (Negative)		Q SIGNAL
	AGCGAIN[3]	IN/Digital AGC GAIN SETTING VALUE INPUT, MSB (SEE FIG. 11)	GAIN SETTING VALUE TIME DIVISION DATA TD	
CONTROL SIGNAL	AGCGAIN[2]	IN/Digital AGC GAIN SETTING VALUE INPUT		
	AGCGAIN[1]	IN/Digital AGC GAIN SETTING VALUE INPUT		
	AGCGAIN[0]	IN/Digital AGC GAIN SETTING VALUE INPUT, LSB		
	WAIT	IN/Digital AGC GAIN SETTING VALUE LATCHING TIMING & DC OFFSET SETTING CONTROL		DC OFFSET CANCEL CONTROL/GAIN DATA LATCH SIGNAL KS
	MODE[2]	IN/Digital INPUT FOR OPERATION AND POWER SAVING MODE SETTING	(SEE TABLE 2-(1)) (SEE TABLE 2-(2)) (SEE FIG. 15)	
	MODE[1]	IN/Digital SAVING MODE SETTING		MODE CONTROL SIGNAL MC
SIGNAL TO SEND	MODE[0]	IN/Digital IN/Digital 3-wire interface, LOAD ENABLE		
	LE	IN/Digital 3-wire interface, SERIAL DATA		
	SDATA	IN/Digital 3-wire interface, SERIAL DATA		
	SCLK	IN/Digital 3-wire interface, SERIAL CLOCK		
	REFCLK	IN/Digital 20MHz REFERENCE CLOCK INPUT		REFERENCE CLOCK SCLK
	TXBBINIX	IN/Analog BASEBAND I SIGNAL TO SEND (Positive)		I SIGNAL
SIGNAL TO SEND	TXBBINY	IN/Analog BASEBAND I SIGNAL TO SEND (Negative)		
	TXBBINQX	IN/Analog BASEBAND Q SIGNAL TO SEND (Positive)		Q SIGNAL
	TXBBINQY	IN/Analog BASEBAND Q SIGNAL TO SEND (Negative)		

FIG. 13

Bit	Description				
MODE [2]	MODE [1]	MODE [0]	Mode	Status	Power-on Block
0	0	0	Idle	MAXIMUM POWER SAVING	—
0	0	1	Pre-Heat	ONLY BGR CIRCUIT ON	
0	1	0	Warm-Up	BGR-Synthesizer OPERATION	
0	1	1	TX-Cal	TRANSMISSION BLOCK CALIBRATION	.
0	0	0	RX-Cal	RECEIVING BLOCK CALIBRATION	
1	0	1	RX	RECEIVING OPERATION	
1	1	0	TX	TRANSMISSION OPERATION	
1	1	1	TBD	TBD	TBD

FIG. 14

FIG. 15

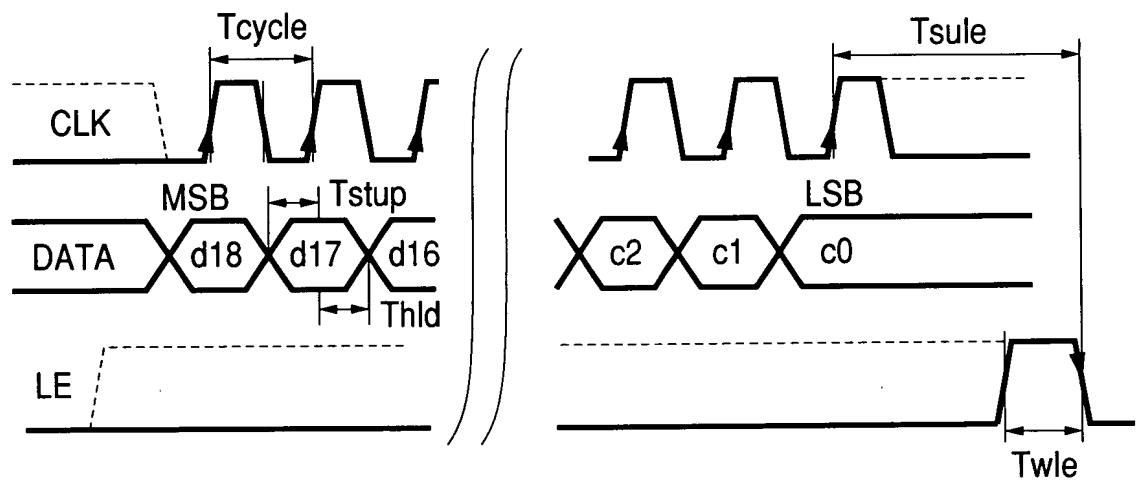


FIG. 16

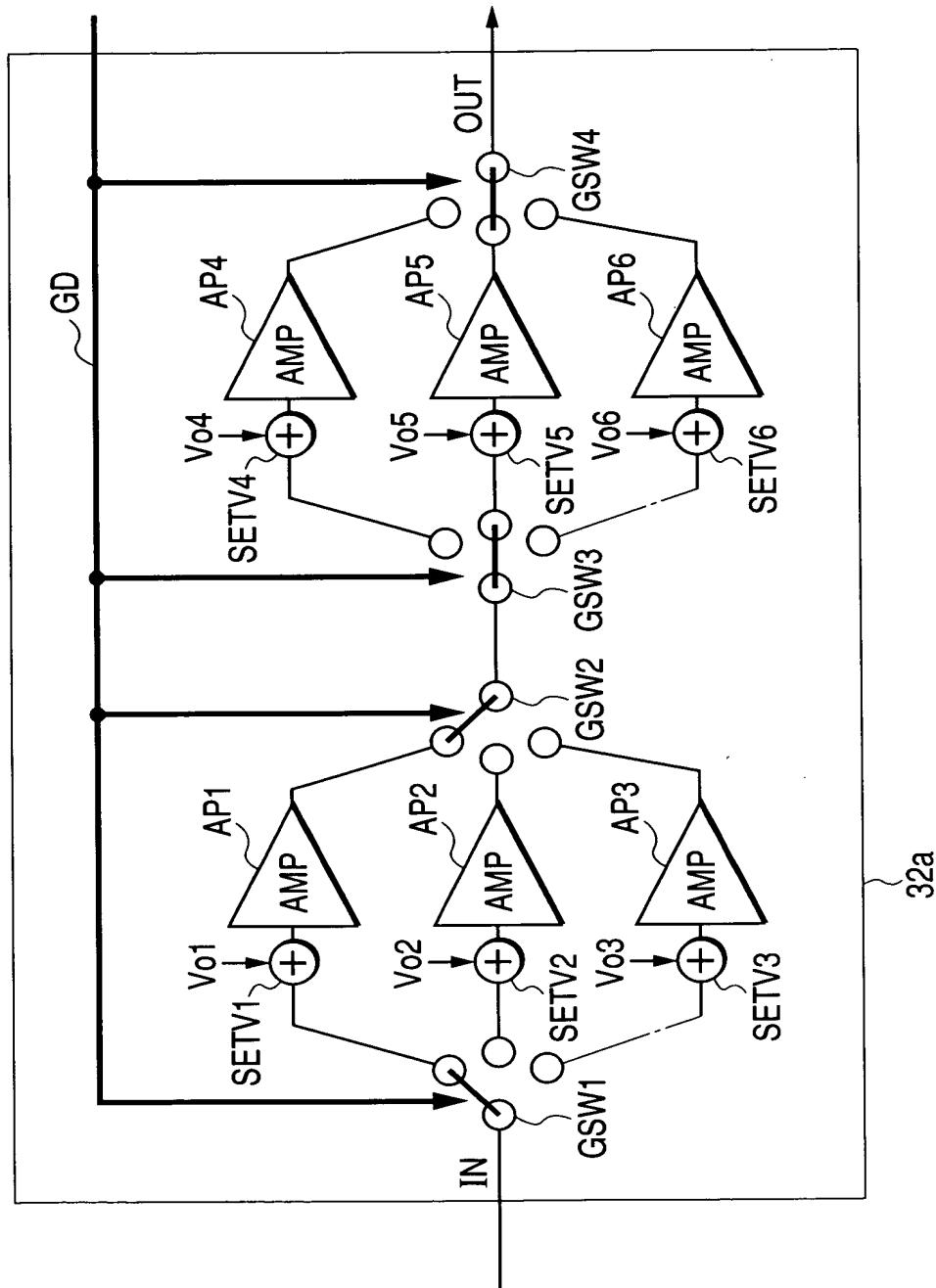


FIG. 17

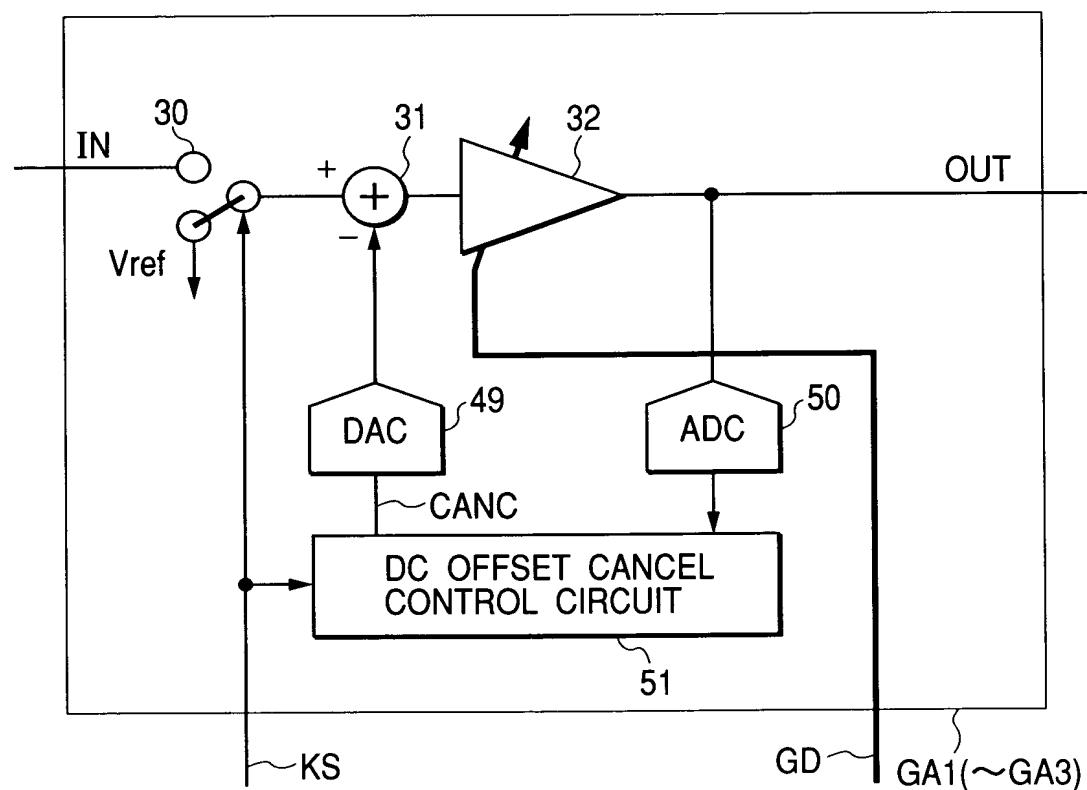


FIG. 18

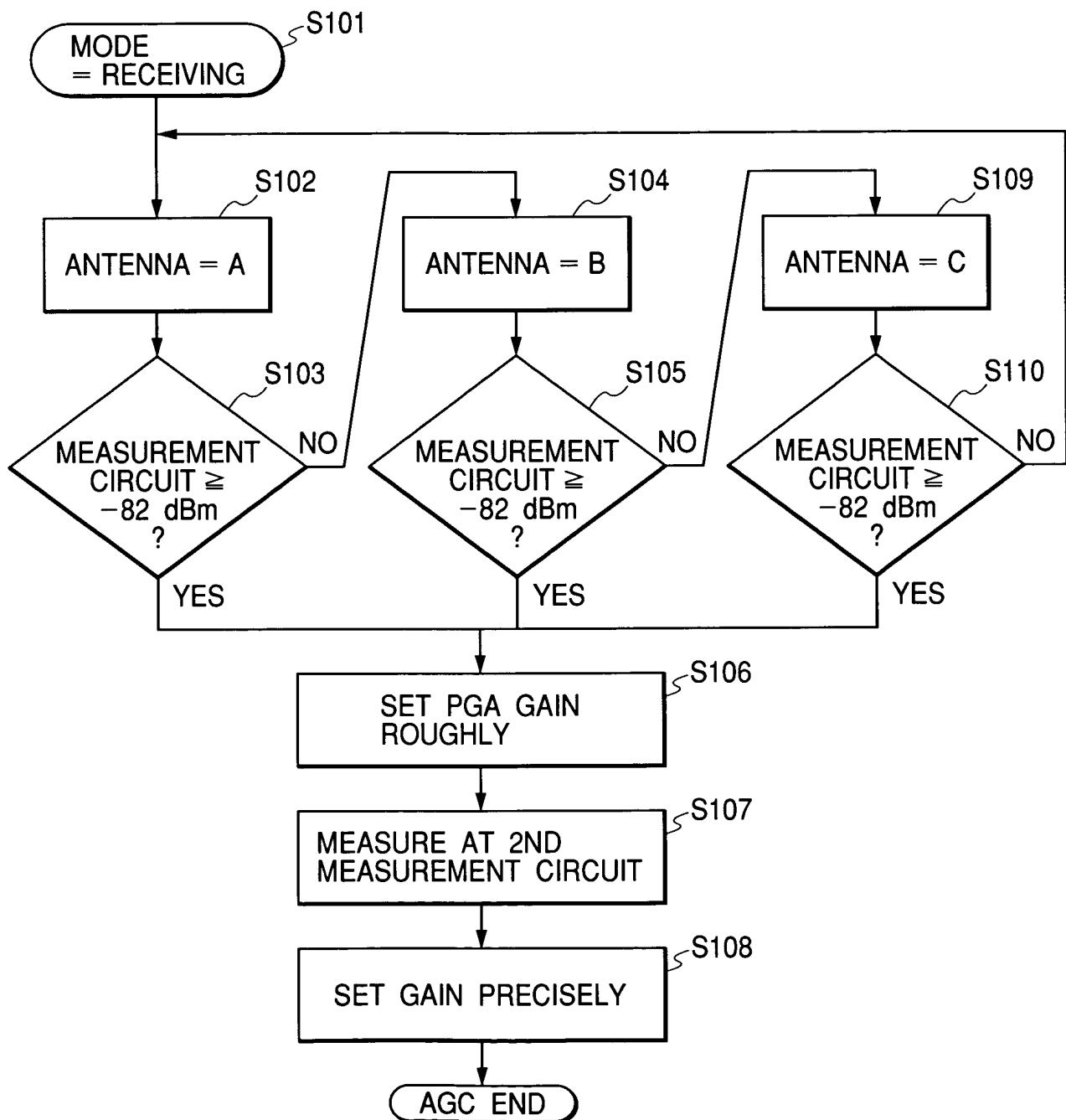


FIG. 19

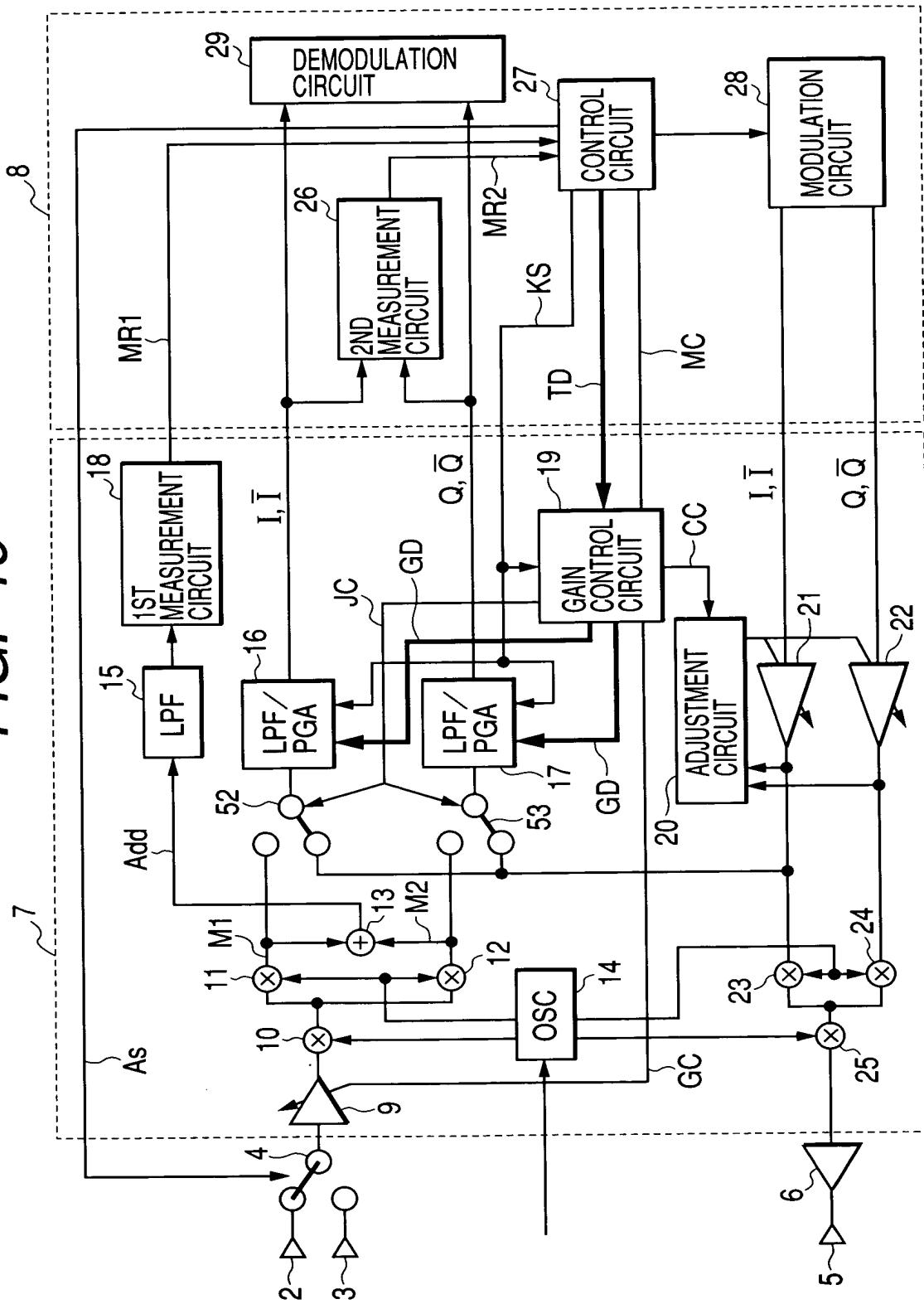


FIG. 20

